CLAIMS
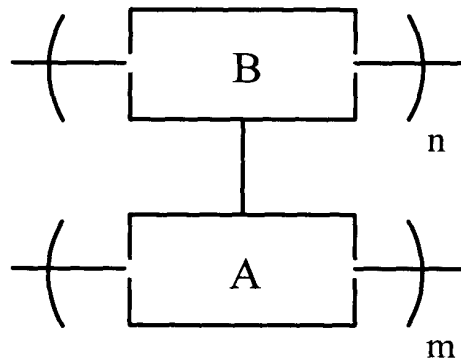
We claim:
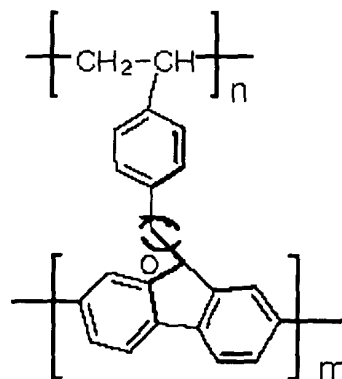
     1. A ladder-type, blue light-emitting polymers represented by the

following formula.

In the formula, A is selected from polyfulorene, polythiophene, polypyrrole, polycarbazole, polyphenylene, polyaniline, polypyridine; B is selected from polystyrene, polypyrrol, polycarbonate, polythiophene, polyphenylene, polyaniline, polypyridine, polycarbazole; n is an integer of 5 to 100; and m is an integer of 2 to 100.

     2. The blue light-emitting polymers to claim 1, wherein A is polyfluorene with the following formula and B is polystyrene.
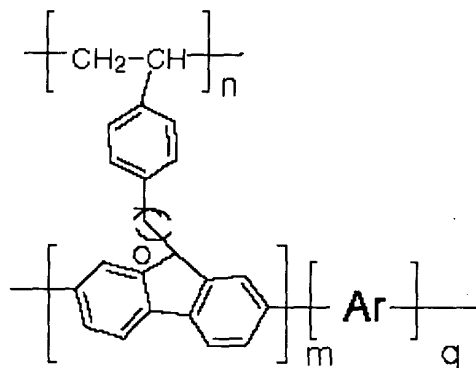
In the formula, n is an integer of 5 to 100; and m is an integer of 2 to 100.

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3. The blue light-emitting polymers to claim 2, wherein Ar is aromatic compounds such as fluorene, fluorene derivatives, benzene, benzene derivatives, thiophene, thiophene derivatives, carbazole, carbazole derivatives, pyridine or pyridine derivatives.

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$$-[CH_2-CH]_n - [fluorene-O]_m [Ar]_q -$$

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In the formula, n is an integer of 5 to 100; m is an integer of 2 to 100; and q is an integer of 2 to 100.

4. The blue light-emitting polymers to claim 2 or 3, wherein B is the

25 polystyrene specifically with atactic or syndiotactic structure.

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